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Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	09/545,582
		Filing Date	April 7, 2000
		First Named Inventor	Arthur E Uber III
		Art Unit	3737
		Examiner Name	Ruth Smith
		Attorney Docket Number	23578-0010
Sheet	1	of	6

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RSS	A	Report of Dr. Bruce R. Rosen, filed on behalf of Medrad, Inc., submitted on 05/13/03 (Confidential Pursuant to Protective Order)	
	B	Amended report of Tyco expert Karen Becker, Ph.D., filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 05/16/03 and exhibits thereto, including Exhibit F, DIOGENES, The 510(K) Register, 1990 ed., covering May 1976-Dec. 1989, cover page and page 1-301.	
	C	Report of Medrad expert Phillip R. Hall, filed on behalf of Medrad, Inc., submitted on 05/20/03 (Confidential Pursuant to Protective Order)	
	D	Memorandum Order, entered on July 16, 2004,	
	E	Memorandum Order, entered on August 5, 2004.	
	F	Expert Report of Paul A. Beck, filed on behalf of Medrad, Inc., submitted on 02/14/05 (Attorneys' Eyes Only)	
	G	Report of Steven Wolff, M.D., Ph.D., Under Rule 26(a)(2)(B) of the Federal Rules of Civil Procedure, filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 02/14/05	
	H	Report of Defendants' Expert Witness Richard D. Grauer Pursuant to Rule 26(a)(2)(B) of the Federal Rules of Civil Procedure, filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 02/14/05 -- Applicants appended to this expert report the June 8, 2001 IDS filed with the USPTO in the prosecution of U.S. Patent No. Re. 37,602, discussed in Mr. Grauer's report.	
	I	Rebuttal Expert Report of Bruce R. Rosen, filed on behalf of Medrad, Inc., submitted on 03/16/05 (Confidential - Attorneys Eyes Only)	
	J	Rebuttal Expert Report of Paul A. Beck, filed on behalf of Medrad, Inc., submitted on 03/16/05 and exhibits thereto, including Exhibit 2, various correspondence between parties' counsel after the conclusion of the ITC investigation regarding the handling of discovery documents in light of the protective order in place (Attorneys' Eyes Only)	
RSS	K	Report of Bruce A. Eisenstein, Ph.D., P.E., Under Rule 26(a)(2)(B) of the Federal Rules of Civil Procedure, filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 03/16/05	

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RSS	L	Rebuttal Expert Report of Philip R. Hall, filed on behalf of Medrad, Inc., submitted on 03/16/05 (Confidential Pursuant to Protective Order Attorney's Eyes Only)	
	M	Supplemental Rebuttal Expert Report of Philip R. Hall, filed on behalf of Medrad, Inc., submitted on 03/26/05 (Confidential Pursuant to Protective Order Attorney's Eyes Only)	
	N	Revised Report of William L. Schultz: Use of EIA RS-422 Digital Signals in the Environment of and Operating NMR Imaging System by William L. Schultz, Ph.D., P.E., Principal, filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 04/05/05	
	O	Medrad's Motion for Summary Judgment of No Invalidity Based on Medrad's Grounds for Filing the Reissue Application that Resulted in the '602 Reissue Patent and Memoranda in Support, submitted on 04/25/05	
	P	Medrad's Motion for Summary Judgment of No Invalidity of Claims 9, 33 and 38 Under 35 U.S.C. § 102 Based on Medrad's EM-1 Prototype Injector and Memoranda in Support, submitted on 04/25/05 (Filed Under Seal)	
	Q	Medrad's Motion for Summary Judgment of No Invalidity Based on the Saini Article and the 1987 Magnetic Resonance Injector Operation Manual and Memoranda in Support, submitted on 04/25/05 (Filed Under Seal)	
	R	Defendants' Motion for Summary Judgment of Invalidity of U.S. Patent No. RE 37,602 Based on Defective Reissue and Memoranda in Support, submitted on 04/25/05	
	S	Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 112, ¶ 1, submitted on 04/25/05	
	T	Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 103, submitted on 04/25/05	
	U	Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 102(b) for being "On Sale", submitted on 04/25/05	
	V	Defendants' Motion for Summary Judgment of Invalidity of U.S. Patent No. RE. 37,602 Based on Prior Public Use, submitted on 04/25/05	
	W	Medrad's Opposition to Defendants' Motion for Summary Judgment of Invalidity of U.S. Patent No. RE 37,602 Based on Prior Public Use, submitted on 05/27/05 (Filed Under Seal)	
RSS	X	Medrad's Opposition to Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE 37,602 Under 35 U.S.C. § 112, ¶ 1, submitted on 05/27/05 (Filed Under Seal)	

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			Examiner Name	Ruth Smith	
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RSS	Y	Medrad's Opposition to Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE 37,602 Under 35 U.S.C. § 102 (b) for Being "On Sale," submitted on 05/27/05 (Filed Under Seal)	
	Z	Medrad's Opposition to Defendants' Memorandum for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE 37,602 Under 35 U.S.C. § 103, submitted on 05/27/05 (Filed Under Seal)	
RSS	AA	Medrad's Opposition to Defendants' Motion for Summary Judgment of Invalidity of U.S. Patent No. RE 37,602 Based on Defective Reissue, submitted on 05/27/05	
	AB	Defendants' Opposition to Medrad's Motion for Summary Judgment of No Invalidity Based on Medrad's Grounds for Filing the Reissue Application that Resulted in the '602 Re-Reissue Patent, submitted on 05/27/05	
	AC	Defendants' Reply in Support of Their Motion for Summary Judgment of Invalidity of U.S. Patent No. RE 37,602 Based on Defective Reissue, submitted on 06/13/05	
	AD	Medrad's Reply Brief in Support of its Motion for Summary Judgment of No Invalidity Based on Medrad's Grounds for Filing the Reissue Application that Resulted in the '602 Reissue Patent, submitted on 06/13/05	
	AE	Medrad's Memorandum in Reply to Tyco's Memorandum in Opposition to Medrad's Motion for Summary Judgment of No Invalidity Based on the Saini Article and the 1987 Magnetic Resonance Injector Operation Manual, submitted on 06/13/05 (Filed Under Seal)	
	AF	Medrad's Memorandum in Reply to Tyco's Memorandum in Opposition to Medrad's Motion for Summary Judgment of No Invalidity of Claims 9, 33, and 38 under 35 U.S.C. § 102 Based on Medrad's EM-1 Prototype Injector, submitted on 06/13/05 (Filed Under Seal)	
	AG	Medrad, Inc.'s Pretrial Statement, submitted on 08/09/05 (Confidential Portions Redacted)	
	AH	Revised Supplemental Rebuttal Expert Report of Bruce Rosen, submitted on 08/19/05 (Confidential Pursuant to Protective Order Attorney's Eyes Only), and exhibit thereto, including Exhibit 1, Declaration of Joseph B. Havrilla, dated May 26, 2005 and Exhibit A thereto, Medrad, Inc. January 10, 1991 letter to John Allen of ETL Testing Laboratory.	
	AI	Defendants' Motion in Limine Seeking Determination That Certain Printed Publications Are Prior Art by Tyco Healthcare Group LP, Mallinckrodt Inc., Liebel-Flarsheim Co., Nemoto Kyorindo Co., Ltd., submitted on 08/25/05	
RSS	AJ	Defendants' Notice Under 35 U.S.C. § 282, submitted on 09/02/05	

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			Art Unit	<b>3737</b>	
			Examiner Name	<b>Ruth Smith</b>	
Sheet	<b>4</b>	of	<b>6</b>	Attorney Docket Number	<b>23578-0010</b>

NON PATENT LITERATURE DOCUMENTS			
RSS	AK	Defendants' Pretrial Statement, submitted on 09/09/05 (Confidential Portions Redacted)	
RSS	AL	Medrad, Inc.'s Opposition to Defendants' Motion in Limine Seeking Determination that Certain Printed Publications are Prior Art, submitted on 10/11/05	
RSS	AM	Respondents', Liebel-Flarsheim Company, Inc.'s Mallinckrodt Inc.'s (NY) and Mallinckrodt Inc.'s (Del.) Responses to Complainant Medrad's First Set of Interrogatories (Nos. 1-23), Response to Interrogatory No. 14 at pages 15-20, submitted at the United States International Trade Commission, In the Matter of Certain Magnetic Resonance Injection Systems and Components Thereof, June 19, 2000.	
RSS	AN	Respondents', Liebel-Flarsheim Company, Inc.'s Mallinckrodt Inc.'s (NY) and Mallinckrodt Inc.'s (Del.) Responses to Complainant Medrad's First Set of Interrogatories (Nos. 24-57), Response to Interrogatory Nos. 40, 41, 43 and 45 at pages 20-29, submitted at the United States International Trade Commission, In the Matter of Certain Magnetic Resonance Injection Systems and Components Thereof, July 18, 2000.	
RSS	AO	Medrad, Inc. Spectris MR Injector System, Volume 1 (MAL-PIT-013931-32); Medrad, Inc. Letter to FDA from J. Burtick dated November 23, 1993 (MAL-PIT-013933-35); Medrad, Inc. Attachment B – Device Descriptions for Medrad Spectris MR Injector and 65ml Qwik Fit Syringe (MAL-PIT-014133-37) (REDACTED); Attachment E – Bench Test Data (MAL-PIT-014223, MAL-PIT-014225) (REDACTED)	
RSS	AP	Magnevist package insert – Injection, 1983 (MAL-PIT-000989)	
	<del>AQ</del>	<del>Electronic Industries Standard, RS 422A (1990)</del>	
RSS	AR	MR Injector Electronic Hardware Requirements Spec Draft, Jon Manley, 9/9/93 (MRD007952-976) (Attorney's Eyes Only, Subject to Protective Order)	
	<del>AS</del>	<del>Medrad, Inc. Hardware Requirements Specification (MD 108035-062) (Attorney's Eyes Only, Subject to Protective Order)</del>	
	<del>AT</del>	<del>Medrad, Inc. Product Specification MR Injector System (MRD041022-071) (Attorney's Eyes Only, Subject to Protective Order)</del>	
RSS	AU	Medrad, Inc. Memorandum from D. Zatezalo re. New OTR Design, dated September 1, 1993 (MRD028119-122) (Attorney's Eyes Only, Subject to Protective Order)	

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			Examiner Name	Ruth Smith	
Sheet	5	of	6	Attorney Docket Number	23578-0010

NON PATENT LITERATURE DOCUMENTS			
RSS	AV	Medrad, Inc. Spectris MR Injector System, Volume 1 of Initial Submission, Table of Contents (MRD036094-95) (Attorney's Eyes Only, Subject to Protective Order); Medrad, Inc. Letter to FDA from J. Burtick dated November 23, 1993 (MRD36096-98) (Attorney's Eyes Only, Subject to Protective Order); Medrad, Inc. Attachment B – Device Descriptions for Medrad Spectris MR Injector and 65ml Qwik Fit Syringe (MRD036292-97) (Attorney's Eyes Only, Subject to Protective Order); Attachment E – Bench Test Data (MRD036464-74) (Confidential Subject to Protective Order)	
RSS	AW	Battery Life Testing document signed by J. Manley, March 4, 1993 (MD 108094-95) (Attorney's Eyes Only, Subject to Protective Order)	
	AX	Medrad, Inc. MR Injector Motor Box Wiring Diagram, No. 90122D05004, August 31, 1990 (MRD034099) (Attorney's Eyes Only Subject to Protective Order)	
RSS	AY	"Pre-Filled MR Cartridge Agreement Medrad/Squibb Diagnostics," effective November 18, 1992, and Amendment #1 thereto (Confidential Subject to Protective Order)	

**The Following Documents Include Confidential Information Pursuant to Protective Order and Have Not Been Submitted:**

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N/A	AZ	Report of Robert Lee, Ph.D., Under Rule 26(a)(2)(B) of the Federal Rules of Civil Procedure, filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 05/16/03 ( <del>Portions of This Report Include Information that has been Designated Attorneys' Eyes Only Under the Protective Order</del> ), and exhibits thereto, including Exhibit B, various pages from an Alpha Wire Company document, dated 3/8/00.	
N/A	BA	Report of Tyco expert Robert A. Bell, Ph.D., filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 05/20/03 ( <del>Portions of This Report Include Information that has been Designated Attorneys' Eyes Only Under the Protective Order</del> )	
N/A	BB	Expert Report of Robert A. Bell, M.D., filed on behalf of Tyco Healthcare Group LP <i>et al.</i> , submitted on 02/14/05 ( <del>Portions of This Report Include Information that has been Designated Attorneys' Eyes Only Under the Protective Order</del> )	
N/A	BC	Defendants' Memorandum in Support of Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 112, ¶ 1, submitted on 04/25/05 (Filed Under Seal)	

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N/A	BD	Defendants' Memorandum in Support of Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 103, submitted on 04/25/05 (Filed Under Seal)	
N/A	BE	Defendants' Memorandum in Support of Defendants' Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 102(b) for being "On Sale", submitted on 04/25/05 (Filed Under Seal)	
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N/A	BM	The 50 <sup>th</sup> Annual Scientific Congress of Japanese Society of Radiology, Notes pp. 1-4, 04/6-9/1994, MR Contrast Medir Injector trial manufacture (Nemoto-003159-163) (Confidential – Subject to Protective Order Attorneys' Eyes Only)	

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	M	Defendants' Reply in Support of Their Motion for Summary Judgment of Invalidity of the Asserted Claims of U.S. Patent No. RE. 37,602 Under 35 U.S.C. § 103 and exhibits thereto, submitted on 06/13/05	
	N	Liebel-Flarsheim Company, Drawing No. 256578 entitled "Cable, 4 Pair Conductors," September 3, 1986 (MAL-PIT-046465)	
	O	Liebel-Flarsheim Company, "CT 9000 Auxiliary Input/Output Specification" December 12, 1991, 9 pages (MAL-PIT-046601-09)	
	P	Liebel-Flarsheim Company, "Angiomat 6000 Digital Injection System, Installation and Service Manual 601910," January 1992, (MAL-PIT-046614-046821)	
	Q	Liebel-Flarsheim Company, "Angiomat CT Digital Injection System 115 V., Installation and Service Manual for M3 Models," December 1, 1988, (MAL-PIT-046822-046954)	
	R	Liebel-Flarsheim Company, "List Price Schedule CT 9000 Injectors," November 1, 1992 (revised 7/1/93), 2 pages (MAL-PIT-024162- 024163)	
	S	Liebel-Flarsheim Company, Drawing No. 256593 entitled "Cable, 14 Conductor, Shielded," May 15, 1989 (MAL-PIT-024127)	
	T	Liebel-Flarsheim Company, Drawing No. 600126, 600159, 600163, 600190-600194 entitled "Cable Ass'y. Console Ext. F1. 5-100 Ft.," 1989 (MAL-PIT-024128)	
	U	Liebel-Flarsheim Company, Drawing No. 600165, 600168, 600200-600204, entitled "Cable Ass'y. Head Ext. F1. 20-100 Ft.," 1989 (MAL-PIT-024129)	
	V	Liebel-Flarsheim Company, Drawing No. 600126, 600159, 600163, 600190-600194 entitled "Cable Ass'y. Console Ext. F1. 5-100 Ft.," 1989 (MAL-PIT-024130)	
	W	Liebel-Flarsheim Company, Drawing No. 600111, 600114, 600195- 600199 entitled "Cable Ass'y. Head Ext. F. H. 20-100 Ft.," 1989 (MAL-PIT-024131)	
RSS	X	Liebel-Flarsheim Company, Drawing No. 800105 entitled "Cable Assembly 15 Pos. D. Shell, SOFT," September 21, 1993 (MAL-PIT-024132)	

Examiner Signature	Date Considered
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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(Use as many sheets as necessary)

Application Number	09/545,582
Filing Date	April 7, 2000
First Named Inventor	Arthur E Uber III
Art Unit	3737
Examiner Name	Ruth Smith
Attorney Docket Number	23578-0010

Sheet	3	of	3
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**Examiner  
Signature**

/Ruth S. Smith/

Date  
Considered

10/26/2006